

We claim:

1. An emergency release mechanism for a railway drawbar comprising:

a) a two sided threaded stud, said stud passing through
5 an opening in a drawbar body with a first threaded end screwed into a release rail; and

b) a nut screwed onto on a second threaded end to hold said release rail proximate to said drawbar body.

2. The emergency release mechanism, according to claim 1, wherein a recess is formed in said release rail around a threaded opening in said release rail to receive said first threaded end, said recess being wider than a width of said body
5 of said stud and being engageable with a body of said two sided threaded stud.

3. The emergency release mechanism, according to claim 2, wherein said recess has a width wider than any width of said body of said stud.

4. The emergency release mechanism, according to claim 1, wherein said nut is a lock nut.

5. The emergency release mechanism, according to claim 1, wherein said stud comprises a single threaded stud and a threaded bar screwed into a tapped opening of said single threaded stud.

6. The emergency release mechanism, according to claim 1, wherein said second threaded end includes a dowel extension having a wrench interface for attaching a wrench to said dowel extension during assembly of said emergency release mechanism.

7. The emergency release mechanism, according to claim 6, wherein said dowel extension includes a through opening for receiving a retaining wire.

8. An emergency release mechanism for a railway drawbar comprising:

a) a fastener stud, said fastener stud passing through an opening in a drawbar body, and a body of said fastener stud
5 secured to a release rail; and

b) a fastener secured to one end of said fastener stud to hold said release rail proximate to said drawbar body.

9. The emergency release mechanism, according to claim 8, wherein said body of said fastener stud is secured to said release rail by a first threaded portion of said fastener stud, said first threaded portion having been screwed into a tapped opening is said release rail.

10. The emergency release mechanism, according to claim 8, wherein a recess is formed in said release rail for receiving said body of said fastener stud.

11. The emergency release mechanism, according to claim 10, wherein said body of said fastener stud is wider than said recess having a flat bottom such that said recess surface is engageable with said body of said fastener stud.

12. The emergency release mechanism, according to claim 8, wherein said fastener secured to one end of said fastener stud is a nut having been screwed onto a second threaded end of said fastener stud.

13. A method of attaching a shear mechanism to a railway drawbar comprising the steps of:

a) securing a body of a stud to a release rail;

b) passing said stud through an opening in a drawbar
5 body; and

c) securing a fastener to one end of said stud to thereby
draw together said release rail and said drawbar body.

14. The method of attaching a shear mechanism to a
railroad drawbar, according to claim 13, wherein step a)
comprises the steps of:

a) forming a recess in said release rail;
5 b) forming an aperture in said release rail, a rim of
said aperture being located in a surface of said recess; and

c) securing into said aperture a first connector of said
stud, said stud having said first connector, said body, and a
second connector, such that there is a tight fit between said
10 surface of said recess and said body of said stud.

15. The method of forming a shear mechanism, according to
claim 14, wherein said step of forming a recess includes forming
a flat bottomed recess such that said recess is engageable with
a surface of said body of said stud adjacent said first
5 connector of said stud.

16. The method of attaching a shear mechanism to a railroad drawbar, according to claim 13, wherein step c) comprises the steps of:

- e) tightening a fastener on said second connector of said stud which protrudes through said drawbar body.

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